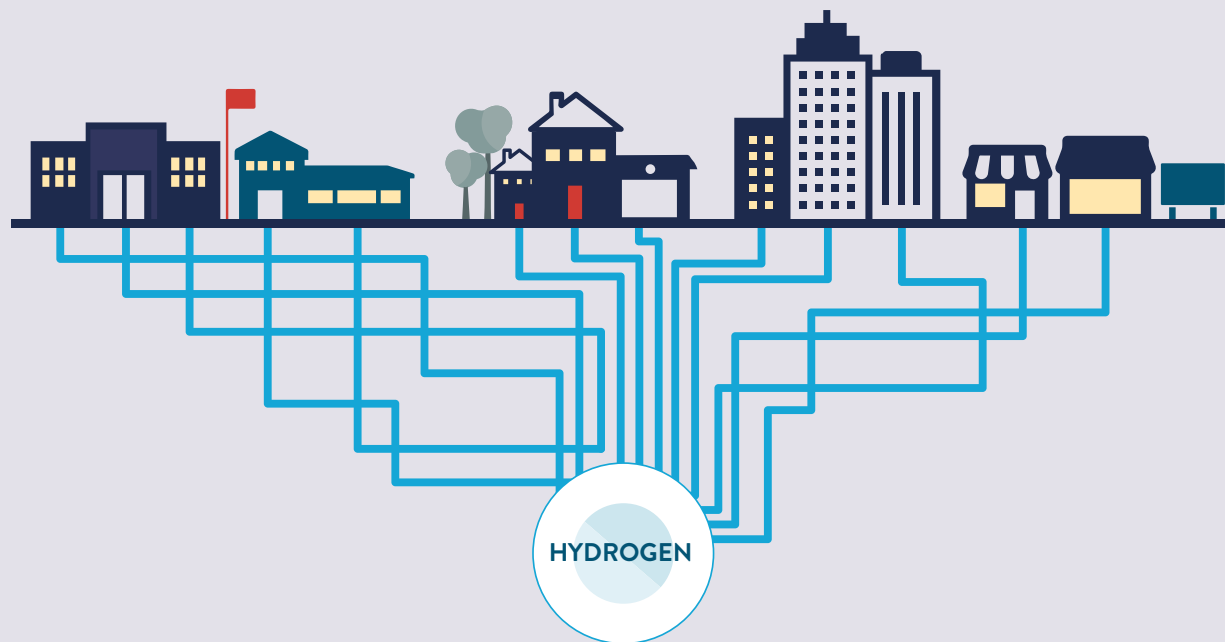


Hy4Heat – demonstrating hydrogen for heat

This is the first of our quarterly newsletters, giving you updates on the programme's progress



The UK government is looking to reduce carbon emissions by 2050

The Department for Business, Energy and Industrial Strategy (BEIS) has appointed Hy4Heat to investigate whether there is a technical and safety case 'downstream of the gas meter' for converting the UK's gas network to run on hydrogen gas rather than methane.

When used for heat, hydrogen does not release carbon dioxide, unlike methane and all hydrocarbons.

What is Hy4Heat?

Hy4Heat is a collaboration of industry, technical and programme management experts exploring the potential, 'downstream of the gas meter' (the pipework running from the meter to appliances, eg. boilers, gas cookers, and gas fires) of using hydrogen for heating. The programme's impartial, evidence-led approach will provide a basis for the UK government's decision-making on future policies and measures to achieve its carbon reduction targets.

Hy4Heat is a multi-faceted programme. Success is reliant on collaboration and partnership working. There are inter-related and interdependent workstreams taking place over the next few years.

Hover over each icon for more information on the programme's various work packages.

Spreading the word

Thanks to those of you who came to our engagement event earlier this year in March. More than 100 people attended – hearing presentations from BEIS and Hy4Heat team as well as taking part in roundtable discussions about the challenges that the programme needs to overcome. Following positive responses we're aiming to hold an annual engagement event for our stakeholders.

The Hy4Heat team have presented at a number of industry events over the past few months including – Hydrogen and Fuel Conference (Birmingham), Scottish Renewables & Low Carbon Heat Conference (Glasgow) and Installer 2018 (Coventry).

We'll also be attending Hearth and Home on 11 June (Harrogate) – so are looking forward to seeing some of you there. If you have an industry event that you'd like us to present at – do get in touch.

There'll be a Hy4Heat article over the summer in the parliamentary Energy Studies publication aimed at giving an overview of the programme to politicians and others.

Follow us [@Hy4Heat](https://twitter.com/Hy4Heat) on Twitter.



Engaging the industry

A cross-industry stakeholder advisory group has been established and is helping Hy4Heat at a strategic level. Members include the HSE, IGEM, representatives from the GDNOs (gas distribution network).

Developing hydrogen gas standards

The Invitation to Tender for the 'development of hydrogen gas standards' will be issued soon. The **public information notice (PIN)** has been published following an information session held on 3 April 2018 for organisations interested in the work of establishing hydrogen gas standards. The standard will consider the purity of the hydrogen and whether colourant is required and, if so, what the options are as hydrogen burns with a pale blue flame. A co-ordination group is being formed with GDNOs to support this work with Cadent and SGN already onboard.

Commissioning research reports

BEIS intends to appoint contractor(s) to deliver research reports on the feasibility of converting commercial sector appliances and industrial heat generation from methane gas to hydrogen.

Save the date! 15 June 2018 domestic appliance supplier information session

Together with BEIS we're holding a supplier session on 15 June 2018 – for organisations interested in manufacturing domestic hydrogen gas appliances: cookers, boilers and fires. It will be held at BEIS Conference Centre, 1 Victoria Street London SW1H 0EP. The running order of the day will be:

- presentations from BEIS
- presentations from Hy4Heat, explaining the overall programme and the detail on 'work package 4' domestic hydrogen gas appliances
- the chance to network with other attendees over a light sandwich lunch

Registration will be at 9:30am for a 10am start and the event will end no later than 3pm.

If you'd like to attend – **[let us know.](#)**

Get in touch

If you'd like to contact us with an enquiry or invite us to present at your conference or event email us **Hy4Heat@arup.com**